



METRONOME

Design, M&E, City-Transformative Intelligence

IOANNINA, KOZANI - GREECE

Emissions domains addressed by the ECT Activity



Consumption of non-electricity energy for thermal uses in buildings & facilities



Land use (agriculture, forestry & other land uses)



Consumption of electricity generated for buildings, facilities & infrastructure

Key Terms

GHG Monitoring | Climate Intelligence | Citizen Engagement | Data Integration | Cross-Sectoral Planning

Data and Digitalisation | Technology/infrastructure

Context & Challenges

Ioannina and Kozani are advancing their climate neutrality goals by adopting a data-driven, integrated approach to urban governance. The Metronome project responds to fragmented emissions data, siloed sectoral planning, and limited citizen engagement by developing a unified digital platform and targeted capacity-building. It equips municipalities to coordinate climate strategies across departments and communities, transforming emissions monitoring into a foundation for participatory, evidence-based decision-making and systemic innovation.

Objectives

- Integrate geospatial and sectoral GHG and energy monitoring systems
- Strengthen cross-sectoral collaboration across urban systems
- Enable inclusive citizen participation and stakeholder engagement
- Build capacity for navigating regulatory and financial barriers
- Deliver a scalable, replicable digital platform for climate action

Activities & Innovations

- Co-design of the Metronome platform with municipal stakeholders
- Integration of Earth Observation (EO), census, and municipal data
- Scenario analysis and real-time emissions dashboards
- Capacity-building for platform use, replication, and governance
- Participatory planning and engagement campaigns led by municipalities

Expected Impact & Outcomes

Data-informed climate strategies tailored to local contexts

Improved cross-sectoral governance and coordination

Increased public participation in climate decision-making

Scalable digital tool supporting wider city transitions across Europe

